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RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/933,797

DATE: 01/30/2002

TIME: 18:29:26

Input Set : N:\Crf3\RULE60\09933797.raw

Output Set: N:\CRF3\01302002\I933797.raw

1 <110> APPLICANT: Robert A. Sikes et al.  
2 <120> TITLE OF INVENTION: Isolation and Use of Fetal Urogenital  
3 Sinus Expressed Sequences  
4 <130> FILE REFERENCE: 9901-007-999  
5 <140> CURRENT APPLICATION NUMBER: 09/933,797  
6 <141> CURRENT FILING DATE: 2001-08-22  
8 <150> PRIOR APPLICATION NUMBER: US/09/482,933  
9 <151> PRIOR FILING DATE: 2000-01-14  
12 <150> PRIOR APPLICATION NUMBER: PCT/US99/10746  
W--> 13 <151> PRIOR FILING DATE: 1999-05/14  
14 <150> PRIOR APPLICATION NUMBER: 60/085,383  
15 <151> PRIOR FILING DATE: 1998-05-14  
16 <160> NUMBER OF SEQ ID NOS: 811  
17 <170> SOFTWARE: FastSEQ for Windows Version 3.0  
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20 <211> LENGTH: 601  
21 <212> TYPE: DNA  
22 <213> ORGANISM: Murine  
23 <220> FEATURE:  
24 <221> NAME/KEY: misc\_feature  
25 <222> LOCATION: (1)...(601)  
26 <223> OTHER INFORMATION: n = A,T,C or G  
27 <400> SEQUENCE: 1  
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W--> 30 cttcacmcaa acctegtngg actccaaaga tccvgatccc gctcacggag agagaaamcc 180  
W--> 31 agaacaancc cgacgcagag atagatcttg atcatctcag tcaacatctc gaagaagaca 240  
32 gaggagccgg tctagatcac gagttactcg gagacrgagg ggtggctctk gttaccattc 300  
W--> 33 aagatcacct accagacagg agagttctcg aacctcctct agacgcagaa gaggccgctn 360  
34 cccsgacacc cttgaccagt cggaagcgat ctgatcaag aacatcacca gtccttgga 420  
W--> 35 mgcgctctag atctsgagcc tcaccagcta ctcatsnggc ggtccagggtc magaacacca 480  
36 ctgataagcc gacgtagggtc cagatctcgg acctcacctg tgagtaggag acggtcaagg 540  
37 tcagtgaata ggcgtagatc tcgatcaaga gcattccccag tgagtcgaag gcgatccagg 600  
38 t 601  
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41 <211> LENGTH: 243  
42 <212> TYPE: DNA  
43 <213> ORGANISM: Murine  
44 <400> SEQUENCE: 2  
45 gaattcggtta tatttttaaaa ctgctacttg tataaatctt tcccaaatac cgtggggtttt 60  
46 gtgcatagtt ttacagata tggatttagc agactgtctt ttactgttta tgggtttttt 120  
47 agaagttgag catttttatg gctgataaag tgaatgttac ttctaagtcg tcacttcttt 180  
48 tatcagaagt gaccctcagt ccattgtgct acsttagctt gcctcttttg taataatkcg 240

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Input Set : N:\Crf3\RULE60\09933797.raw

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54 <213> ORGANISM: Murine
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57 <222> LOCATION: (1)...(209)
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61          ggatgaacta tcctgcctga taaaaaccaa cagctggcct gatcgctcag aacacctgtg      120
W--> 62          acatgtcctc cctagamggg acagagtgat agttcatgtt tgnnkgtgtg tggactawyt      180
63          kgktactacc tttagagcaa ctgatktat      209
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66 <211> LENGTH: 357
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76          acytrgtgaa cttaawwaam gcagactggg acctaggaaa attcaccatt ttcattgtaa      180
77          tgttctcggg tttgccttta tocatagaaa agtgggctct tgggaatgat gaggacactg      240
78          aggggtggag gatacmaacs gaaaagctca tggagataga gtkcaagcag agagtgtggg      300
79          tgctyaaata ctcaagagat ttaattaagt ctcgctctca awtgcataaa gtttaaa      357
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83 <212> TYPE: DNA
84 <213> ORGANISM: Murine
85 <220> FEATURE:
86 <221> NAME/KEY: misc_feature
87 <222> LOCATION: (1)...(331)
88 <223> OTHER INFORMATION: n = A,T,C or G
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W--> 92          ggagncccca ggctcccagg accccgagca cacagtgacc cantggcctg gnagaaggcg      180
W--> 93          gaagctccag gracmgttag cagtkctgcy kdarggsenn yaaggamcct ncyygtkcyc      240
W--> 94          cccanggatt cagnagnca gttccagara aaatyctgta cagtktacac acgggtgtsca      300
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98 <211> LENGTH: 331
99 <212> TYPE: DNA
100 <213> ORGANISM: Murine
101 <220> FEATURE:

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104 <223> OTHER INFORMATION: n = A,T,C or G
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107      atgtggctga gttctgtgtt tggaaatgtg ttgctgatgc acatgatgaa agaagagccc 120
108      agatgacctt aactcttcag gaaawdcaac catctatata agtcttatct ctgctctcaa 180
W--> 109      aatgctctca gagagtaaam mmaaattggcc cttnggtata cnyctctccg ttttgttttt 240
W--> 110      ttaaagrwtg cctagkaatt tttnaaaaag kgcaaaagrt gtktyytgag atttyctttt 300
111      yaattytggt tgtcagtgtg tgdgtgtttg t 331
113 <210> SEQ ID NO: 7
114 <211> LENGTH: 427
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116 <213> ORGANISM: Murine
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118 <221> NAME/KEY: misc_feature
119 <222> LOCATION: (1)...(427)
120 <223> OTHER INFORMATION: n = A,T,C or G
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123      tacattcctg gcagctcctg accctgagcc tctattcaca ttccctcaca aaacggccca 120
124      ggctcaaatt gaaaaggaaa taaaagagac cacaataaaa ttgctaacat acggagtaac 180
125      agagtgatct gtgacacaat tctgctccat gttttccttt cccttcaagg acagctgggc 240
126      agccactgag gcctgtggac aaggatccat gatcatttcc aatgttcaga gagtccagca 300
127      accaccaggc aagggtgtgt ggcacytagg aatgggtctg cttgcatgtc aagggaccaa 360
128      tgtggtccta caaaactcat ttctactgaa atgtcatctt ctgaachttg ggaaataatg 420
129      cmctaga 427
131 <210> SEQ ID NO: 8
132 <211> LENGTH: 520
133 <212> TYPE: DNA
134 <213> ORGANISM: Murine
135 <220> FEATURE:
136 <221> NAME/KEY: misc_feature
137 <222> LOCATION: (1)...(520)
138 <223> OTHER INFORMATION: n = A,T,C or G
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W--> 142      ccnaagatct gagcagggtg ccagaacagg natgtacacg ctgctttcgg gattgtacaa 180
143      gtacatgttc cagaaggatg aatactgcat cctgatcctg ggcttggaac atgctgggaa 240
W--> 144      gacggtaggt ccctgctctc tcaccagttc ccattccctg cctgatctaa nccccgccc 300
145      caaggctaca ggttagtagt caccagcctc ctgaagatca agccacaggs agaggcgtgc 360
W--> 146      atggctgcat ngggtgtgaa gggatagggt ggaaggacac cagaaaacta ctctagctgc 420
W--> 147      tgctatctna mccccctctc ttttttctct cagactttcc tggaacagtc aaaaacacgc 480
148      tttacaaga actacaagga attccaccac actggcgggc 520
150 <210> SEQ ID NO: 9
151 <211> LENGTH: 465
152 <212> TYPE: DNA
153 <213> ORGANISM: Murine

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156 <222> LOCATION: (1)...(465).
157 <223> OTHER INFORMATION: n = A,T,C or G
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161      gctcccagct gtacacatag accagacaac tcagcctcca gagactggta tgacctctgc      180
162      atatattctt tataagtacc acatgccaac ttkgctgttt actggagtac cctctatags      240
163      ccytctgaaa acttagacag kagcctttca agkaaacart ctgtagtgcc cytacarctg      300
W--> 164      traatactta tctctttaat gtnttgtctg gkagaaagac attttgatgt attttcctcc      360
165      atttagttaa gtttacctct agtggagaat tagttaaacc actttggctc ctgaagggtc      420
W--> 166      tcatgtgcat atgcgcgtgta ctctyccaag agcdntgtgg atttct      465
168 <210> SEQ ID NO: 10
169 <211> LENGTH: 541
170 <212> TYPE: DNA
171 <213> ORGANISM: Murine
172 <400> SEQUENCE: 10
173      gaattccttc ctgtaaggct acttttcttt tttctacttc cttttccagc aattcatagt      60
174      taggcttttt cctgggtataa agtctaagcg tctctatgca gatttcctga atctcctott      120
175      ctgtgggtacc aaacagaaga aaccaatggg gccgagttgg caagggaatt tgaagtgtct      180
176      tagctgcaag gtagatacaa gcacatgcta tagtctctgg ttgaaagcga acaaagacat      240
177      tggttcgaag actgtcattc atgtaattcc aggcagtttg aaccagggtt tggttacggt      300
178      cacattctaa gacttgtaaa tacattacaa tgatcttatg gggatgcttg acatgaacac      360
179      aaaatcccaa ctctcttagc accctcctct ctgccttgat aacttgattt ttgggtgttaa      420
180      tgtagttctg atcaaggatc aggggggcttg gagtccyttt tccycttaac tggcgagggt      480
181      ggtggaatac attaatacaca tctctwattc ttyttggcgc ttcttcgatt tttgaacaa      540
182      g      541
184 <210> SEQ ID NO: 11
185 <211> LENGTH: 330
186 <212> TYPE: DNA
187 <213> ORGANISM: Murine
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190      gacctcgacc gctgcgcgcg ccgcgcgcgc tgcgcctcc gcctcgctcg ccgccccgag      120
191      cgcgggcggc tccagctccg gcacgaccac cacgacgacg accacgaccg gagggatcct      180
192      gatcggcgac cgctgtatt cggaggtgtc gctcaccatc gaccactcgc tgatcccgga      240
193      ggagcggctc tcgcctaccc cgtccatgca ggacggcctg gacctgcca gcgagacgga      300
194      tctkcgcatc ttgggstgcg agctchatcc      330
196 <210> SEQ ID NO: 12
197 <211> LENGTH: 330
198 <212> TYPE: DNA
199 <213> ORGANISM: Murine
200 <400> SEQUENCE: 12
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202      gacctcgacc gctgcgcgcg ccgcgcgcgc tgcgcctcc gcctcgctcg ccgccccgag      120
203      cgcgggcggc tccagctccg gcacgaccac cacgacgacg accacgaccg gagggatcct      180
204      gatcggcgac cgctgtatt cggaggtgtc gctcaccatc gaccactcgc tgatcccgga      240
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206      tctkcgcatc ttgggstgcg agctchatcc                      330
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211 <213> ORGANISM: Murine
212 <220> FEATURE:
213 <221> NAME/KEY: misc_feature
214 <222> LOCATION: (1)...(530)
215 <223> OTHER INFORMATION: n = A,T,C or G
216 <400> SEQUENCE: 13
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W--> 219      ggccatgngc tccntncact tgaccctgca gctgggtgtm aganagtcct gtnnggttcn      180
W--> 220      cacctymagg ggatgtycct accmacnttn cacctkctca agnctycact gtctggggcc      240
W--> 221      tgtgngctct cncaacagct tcttccttcc tttgcccttc gtgtcagcca gcagccttgc      300
W--> 222      caagtgtttg ttwatttwtat actttgtgnt ttttgagaca gtcacatcaa ggttgaactt      360
W--> 223      agaaccaag atccnyactg ctatcacccc ctgaatactg gggnttcena gngtgnnnnn      420
W--> 224      cctgggntcc mannccctcag gacnacnnnn cttasvnnag gatanccgta tcacgtnctt      480
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227 <210> SEQ ID NO: 14
228 <211> LENGTH: 537
229 <212> TYPE: DNA
230 <213> ORGANISM: Murine
231 <400> SEQUENCE: 14
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233      taccaatgga gcttaattta ggtagtgaat tagttcctaa atagatcagt gattgtgaac      120
234      aaggcaataa aaagaaaacc tctaattgta tcaagtgttc ccataagtac tttgtatata      180
235      tgtggatgtg tgttggtgtg catgcacata tgtgtgcatg tgtgtggatt gcgaaggaca      240
236      gcctttggtg tcatcctca ggtggtgtcc acctgtttt gaagagatag gagtgtcaca      300
237      ctgaacctgc agcttgctga ttcagagtac cagggacatg cctggcttga cctctccaac      360
238      actgggatca caaggaactt tcgtcagcag gtcttgchtr kwtgaaatag ttgagaggga      420
239      ctgcactccg atcttcacac ttgcacataa tgcataattgc caaatggccc atctccttga      480
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243 <211> LENGTH: 302
244 <212> TYPE: DNA
245 <213> ORGANISM: Murine
246 <400> SEQUENCE: 15
247      ggaattccct gcctctgtaa ctccctbacc caattcttag cccgtgcaaa tgtatctgtg          60
248      ttggtgatgt catagaccac aatggctgct tgggcccccg atagtacatc ggggccaggc      120
249      tgtgatagck ctcttgcca gctgtgtycc agatctcaaa cttgaccgtt gtatcgtcta      180
250      agcagacagt ctgtgtgagg aaakttgctc caattgtgct ctyctggtac tcatggaact      240
251      kccccttkac maagcggagg dccaggctgg actttbccac ggcagtytck tccaagaggd      300
252      cc                                                                                      302
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255 <211> LENGTH: 312
256 <212> TYPE: DNA
257 <213> ORGANISM: Murine
258 <400> SEQUENCE: 16

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## VERIFICATION SUMMARY

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Input Set : N:\Crf3\RULE60\09933797.raw

Output Set: N:\CRF3\01302002\I933797.raw

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L:30 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1  
L:31 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1  
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L:62 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3  
L:75 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4  
L:92 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5  
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L:411 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:27  
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L:568 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:37  
L:583 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:38  
L:584 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:38

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L:586 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:38

L:615 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:40

L:643 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:42